Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claim 1. (Currently Amended) A communication control apparatus comprising:

a first port ~~which connects~~ that is connected to a first segment of a network;

a second port ~~which connects~~ that is connected to to a second segment of the network;

a CIP header detecting unit configured to detect whether ~~an~~ a first isochronous packet received by said first port includes a CIP (common isochronous packet) header conforming to IEC 61883 standard; and

a control unit configured to determine~~, using the CIP header,~~ whether to disable relaying the first isochronous packet ~~including the CIP header~~ to said second port, if the first isochronous packet includes the CIP header,

wherein said control unit ~~controls to provide~~ enables relaying the first isochronous packet ~~including the CIP header~~ to said second port, if the first isochronous packet includes the CIP header and the CIP header includes a node ID of a permission node, and

wherein said control unit disables relaying the first isochronous packet to said second port and controls to provide ~~another~~ a second isochronous packet including dummy data or null data to said second port in lieu of the first isochronous packet ~~including the CIP header~~, if the first isochronous packet includes the CIP header and the CIP header includes a node ID of a prohibited node.

Claims 2 - 9. (Canceled)

Claim 10 (Previously presented): A communication control apparatus according to claim 1, wherein said first and second ports conform to the IEEE 1394-1995 standard.

Claim 11 (Currently Amended): A method of controlling a communication control apparatus, the communication control apparatus including a first port ~~which connects~~ that is connected to a first segment of a network and a second port ~~which connects~~ that is connected to a second segment of the network, the method comprising the steps of:

detecting whether ~~an~~ a first isochronous packet received by the first port includes a CIP (common isochronous packet) header conforming to IEC 61883 standard;

determining~~, using the CIP header,~~ whether to disable relaying the first isochronous packet ~~including the CIP header~~ to the second port, if the first isochronous packet includes the CIP header;

~~providing~~ enabling relaying the first isochronous packet ~~including the CIP header~~ to the second port, if the first isochronous packet includes the CIP header and the CIP header includes a node ID of a permission node; and

disabling relaying the first isochronous packet to said second port and providing ~~another~~ a second isochronous packet including dummy data or null data to the second port in lieu of the first isochronous packet ~~including the CIP header~~, if the first isochronous packet includes the CIP header and the CIP header includes a node ID of a prohibited node.

Claims 12 - 14. (Canceled).

Claim 15 (Previously presented): A method according to claim 11, wherein the first and second ports conform to the IEEE 1394-1995 standard.

Claims 16 - 17. (Canceled).

Claim 18 (Currently Amended): A communication control apparatus according to claim 1, wherein said control unit enables relaying the first isochronous packet to said second port, if the first isochronous packet does not include the CIP header.

Claim 19. (Cancelled).

Claim 20. (Currently Amended) A method according to claim 11, further comprising the step of: enabling relaying the first isochronous packet to the second port, if the first isochronous packet does not include the CIP header.

Claim 21. (Cancelled).